



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/509,867

10/01/2004

Nahoko Takano

Q83996

9778

23373 7590 06/14/2010
SUGHRUE MION, PLLC
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, DC 20037

EXAMINER

BRANDT, CHRISTOPHER M

ART UNIT

PAPER NUMBER

2617

NOTIFICATION DATE

DELIVERY MODE

06/14/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

sughrue@sughrue.com
PPROCESSING@SUGHRUE.COM
USPTO@SUGHRUE.COM

Office Action Summary	Application No. 10/509,867	Applicant(s) TAKANO ET AL.	
	Examiner CHRISTOPHER M. BRANDT	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 April 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 70-75 and 79-82 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 70-75 and 79-82 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 June 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This Action is in response to applicant's arguments submitted on April 8, 2010. **Claims 70-75 and 79-82** are still currently pending in the present application.

Response to Arguments

Applicant's arguments with respect to claims 70-75 and 79-82 have been considered but are moot in view of the new ground(s) of rejection.

The examiner further notes that he has conversed and discussed the claims with primary examiners, with one of the primary examiners providing the examiner with the following incite in examining the claims:

If one gives this/these claim(s) a broad reasonable interpretation, there are a lot of questions you can "ask"....
meaning:

1. I assume the Plurality of BTSs involved in a handoff is most likely just two (e.g. make it a normal handoff)

2. I would also assume that both BTSs are supporting packet transmission (e.g. data or VoIP call)

3. What is the shared channel? (technically all the channels are "shared" but then can be dedicated as well).

---- can the shared channel be a control channel and the packet be a control packet?

4. Could be that the shared channel is used to send a "test packet" and then the measurement is used for Power Control in the dedicated channel (which would be closed loop power control).

Lastly, the applicant does not define what packet is being sent on the shared channel OR what that shared channel can be (hence it might be a control channel or Broadcast channel which is used to send a test packet, the mobile measures its strength, reports the measurement back to the BTS and then the BTS makes a decision to turn up or down the power of either itself OR the mobile).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 70-75 and 79-82 are rejected under 35 USC 102(e) as being anticipated by **Toskala et al. (US Patent 6,650,905 B1, hereinafter Toskala).**

Consider **claim 70 (and similarly applied to claims 72, 74, 79, and 81)**. Toskala discloses a cellular system comprising a mobile station and a plurality of base stations that are in a handover state with said mobile station (figure 12, column 10 lines 18-25, read as a user equipment (i.e. mobile station) and an active set of cells (i.e. plurality of base stations), one of

Art Unit: 2617

said base stations, as a packet transmission base station, performing transmission of a packet to said mobile station by the use of a shared channel (column 9 line 61 – column 10 line 11, read as the DSCH (downlink shared channel) is to be used for WCDMA for transmission of packet data in the downlink, where this downlink is used to communicate between the base station and the user equipment),

wherein said mobile station comprises:

means for controlling a reception quality of a transmission power control signal included in a downlink dedicated channel sent only from the packet transmission base station, by controlling a target SIR (column 3 line 65 – column 4 line 17, column 10 lines 22-29, read as the user equipment selects one cell (i.e. base station) from its active set, where the non-selected cells switch off the transmission power (i.e. sent only from the packet transmission base station). The transmission power level used for DPCCCH (dedicated physical control channel) is managed/updated using ordinary transmit power control methods, where the ordinary transmit power control methods include detecting an SIR and sending TPC commands from the mobile station (i.e. controlling a reception quality) to adjust the power levels accordingly).

Consider **claims 71, 73, 75, 80, and 82 and as applied to claims 70, 72, 74, 79, and 81, respectively**. Toskala discloses wherein said mobile station further comprises: means for producing the transmission power control signal for controlling transmission power of the downlink dedicated channel on the basis of the target SIR to transmit the transmission power control signal to the packet transmission base station through the uplink dedicated channel (column 3 line 65 – column 4 line 17, read as the mobile station sends TPC commands to the

Art Unit: 2617

base station, where the power control commands are sent on the uplink dedicated physical control channel).

Conclusion

Any response to this Office Action should be **faxed to** (571) 273-8300 **or mailed to:**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window

Randolph Building

401 Dulany Street

Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Brandt whose telephone number is (571) 270-1098.

The examiner can normally be reached on 7:30a.m. to 5p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/Christopher M Brandt/

Examiner, Art Unit 2617

June 8, 2010